

IN-WELL STRIPPING TECHNOLOGY—RECENT INSTALLATIONS IN KANSAS AND NEBRASKA

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Abstract

In-well stripping technology has been implemented at numerous sites nationwide, with mixed success. While simple in concept, IWS technology presents some challenges in implementation. Moving from theory and modeling and basic engineering to successful implementation of a new technology is more complex and challenging than might be hoped, and years slower. No longer an innovative technology, IWS can be considered an established technology. Its basic principles of operation are understood, unanticipated complexities have been worked through, and limits of the technology are known. In the right setting and with the right contaminants, IWS is a very effective technology, with certain advantages that are not offered by any other. Aquifers in Kansas and Nebraska seem particularly suited to IWS technology. In this paper, recent experience with IWS technology in Kansas and Nebraska will be presented, with emphasis on the aquifer characteristics most conducive to success with this method.

Key words: in-well stripping, innovations, aquifer characteristics